SYNASC 2018: Papers Accepted for Presentation at Main Tracks

#	Track name	Title	Authors
15	Advances in the Theory of Computing	Extremal Graphs with respect to the Modified First Zagreb Connection Index	Guillaume Ducoffe, Ruxandra Marinescu-Ghemeci, Camelia Obreja, Alexandru Popa and Rozica Maria Tache
28	Advances in the Theory of Computing	Cheap Non-standard Analysis and Computability: Some applications	Olivier Bournez and Sabrina Ouazzani
30	Advances in the Theory of Computing	The Polylog-Time Hierarchy Captured by Restricted Second-Order Logic	Flavio Ferrarotti, Senén González, Klaus-Dieter Schewe and Jose Turull-Torres
45	Advances in the Theory of Computing	A Terminating and Confluent Term Rewriting System for the Pure Equational Theory of Quandles	Robert W. McGrail, Thuy Trang Nguyen, Thanh Thuy Trang Tran, Arti Tripathi and Hannah Quay-De La Vallee
1	Artificial Intelligence	Dual Criteria Determination of Natural Clustering Structures in Data	Dan Simovici and Kaixun Hua
4	Artificial Intelligence	Genetic Operators in Evolutionary Music Composition	Csaba Sulyok
11	Artificial Intelligence	Optimizing the Trade-off between Single-Stage and Two-Stage Deep Object Detectors using Image Difficulty	Petru Soviany and Radu Tudor Ionescu
12	Artificial Intelligence	Automatic topic labeling using automatic (domain-specific) term recognition	Ciprian-Octavian Truică, Florin Radulescu and Alexandru Boicea
13	Artificial Intelligence	A CiteSeerX-based dataset for record linkage and metadata extraction	Zalán Bodó
19	Artificial Intelligence	Modeling Real Estate Dynamics Using Survival Analysis	Diana Mînzat, Mihaela Breabăn and Henri Luchian
27	Artificial Intelligence	Integrating Deep Learning for NLP in Romanian Psychology	Ioan Cristian Schuszter
32	Artificial Intelligence	Toward on-line predictive models for forecasting workload in Clouds	Dong Nguyen Doan
36	Artificial Intelligence	Formal Concept Analysis Grounded Knowledge Discovery in Electronic Health Record Systems	Christian Sacarea, Diana Șotropa and Diana Troanca
39	Artificial Intelligence	Using Recommender Systems to Support Navigation in Concept Lattices	Flaviu Florin Berbecariu, Christian Sacarea and Diana Șotropa
41	Artificial Intelligence	Adapting SVMs for large data sets using balanced decision trees	Cristina Vatamanu, Dragos Gavrilut and George Popoiu
2	Distributed Computing	On the Abstractness of Continuation Semantics	Gabriel Ciobanu and Eneia Nicolae Todoran
9	Distributed Computing	Scalable Task Deployment System Inspired from Virus Propagation Models for Large Distributed Workflow Based Systems	Bica Mihai and Gorgan Dorian
20	Distributed Computing	Parallel acceleration of Network Motif detection	Bogdan-Eduard-Madalin Mursa, Anca Andreica and Laura Diosan

#			
40	Distributed Computing	A Symmetric Nets Emulator for Adaptive P/T Nets	Lorenzo Capra
18	Logic and Programming	Efficient Task Switching-based Multiprocessor Scheduling for Nonpreemptive Independent Task Sets	Stefan Andrei, Vlad Radulescu, Albert Cheng and Gaurab Dahal
24	Logic and Programming	SAT-Based Big-Step Local Search	Morad Muslimany and Michael Codish
25	Logic and Programming	Order Relations over Finitely Supported Structures	Andrei Alexandru and Gabriel Ciobanu
33	Logic and Programming	Acacia-K: A tool for synthesis of reactive systems from $KLTL^+$ specifications	Rodica Condurache
34	Logic and Programming	Towards Compiling Region Types into RTSJ-compliant Java Code	Florin Craciun and Gabriel Glodean
37	Logic and Programming	Building deobfuscated applications from polymorphic binaries	Vlad Craciun
22	Numerical Computing	Computation Results of the Riemann Zeta Search Project	Norbert Tihanyi and Attila Kovács
31	Numerical Computing	An Image Inpainting Technique based on Parallel Projection Methods	Irina Maria Artinescu and Costin Boldea
46	Numerical Computing	Real-Time Computation of Legendre-Sobolev Approximations	Parisa Alvandi and Stephen Watt
47	Numerical Computing	An axis symmetric 2D description of the dynamics of a single crystal micro fiber growth from the melt by micro- pulling-down method.	Agneta Balint and Stefan Balint
52	Numerical Computing	An axis symmetric 2D description of the process of the growth of a single crystal Si tube growth from the melt by pulling down method	Agneta Balint, Stefan Balint and Loredana Tanasie
16	Symbolic Computation	GPaR: A Parallel Graph Rewriting Tool	Stéphane Despréaux and Aude Maignan
35	Symbolic Computation	Computing the Lowest-order Element of Multivariate Elimination Ideal by Using Polynomial Remainder Sequences	Tateaki Sasaki and Daiju Inaba
42	Symbolic Computation	Rational Householder Transformations Work in progress paper	David Jeffrey and Ana Carolina Camargos Couto
44	Symbolic Computation	Compositional Taylor Model Based Validated Integration	Kristjan Liiva, Paul Jackson, Grant Passmore and Christoph M. Wintersteiger

- number of the Easychair submission